

**EXHIBIT H**  
(Behrendt Declaration)



The banner features a dark background with a collage of images including police officers, a police badge, and a target. The main headline is "THE NEW LEADER IN NON-LETHAL COMPLIANCE TECHNOLOGY". Navigation links are provided in the top right and bottom center. A "DOWNLOAD BROCHURE" button is located in the bottom right corner.

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# THE NEW LEADER IN NON-LETHAL COMPLIANCE TECHNOLOGY

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# APPLICATIONS

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PepperBall brand non-lethal compliance products are designed to give law enforcement officers safe, effective, and simple-to-use alternatives to existing compliance systems. PepperBall Systems have many key characteristics that are applicable to any situation where non-lethal force is an option.



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**The PepperBall System offers law enforcement personnel an alternative to lethal force in a variety of situations including:**

- ▶ CONTROLLING UNCOOPERATIVE OR VIOLENT SUSPECTS
- ▶ STANDOFF/BARRICADE SITUATIONS
- ▶ RIOT CONTROL
- ▶ PRISON CELL EXTRACTION
- ▶ HOSTAGE RESCUE
- ▶ TROOP WITHDRAWAL
- ▶ PEACE-KEEPING MISSIONS
- ▶ SUICIDE-BY-POLICE
- ▶ DOMESTIC VIOLENCE
- ▶ REALISTIC SCENARIO & LIVE-FIRE TRAINING

## Controlling Uncooperative or Violent Suspects

The pain compliance impact of the hard, frangible projectiles is enhanced by the application of oleoresin capsicum (OC), which can assist in the apprehension of uncooperative or violent suspects. As PepperBall Projectiles strike and break apart, the resulting OC powder or liquid vapor cloud envelops the eyes and enters the breathing passages providing greater opportunity for successful incident resolution.



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## Standoff/Barricade Situations

PepperBall Projectiles help law enforcement personnel resolve barricade and standoff situations by delivering oleoresin capsicum (OC) powder from a distance. Officers can contaminate the immediate area by targeting areas above and around a suspect, forcing a suspect to give up his position and possibly surrender. By launching an initial glass-shattering "IceBreaker" projectile (available in late 2000) followed by a series of PepperBall Projectiles, officers can also deliver OC irritant on suspects enclosed in automobiles. A volley of PepperBall Projectiles fired at a window in a building or other structure can also cause breakage, depending on the glass type, thickness, and size.



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## Riot Control

The PepperBall System can effectively distribute OC powder in a riot setting and disperse uncontrolled crowds. Suspects can be individually targeted or oleoresin capsicum (OC) powder can be distributed over an entire group by launching a volley of projectiles against a wall, street, or hard object above, near, or upwind of a group of targets from distances up to 100 feet. The select-fire option available with some launcher systems allows a single officer to target multiple suspects and fire up to 12 rounds a second.



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## Prison Cell Extraction

Prison settings are an ideal environment for the compliance technology of the PepperBall System when dealing with cell extractions, dayroom or exercise yard fights, or full-scale riots. The individual targeting capabilities of the PepperBall System allows corrections personnel to manage and control inmates more effectively. "Snow storming" the cell walls and ceiling to allow oleoresin capsicum (OC) powder to fall behind the barricade can drive out barricaded inmates. Large prison areas can also be denied to potential inmate rioters by saturating an area with OC powder from distances up to 100 feet. Because of the localization of OC powder contamination, facility-wide contamination through ventilation systems can be avoided. Clean up is simple; sweep up or rinse off the powder and discard in the trash.



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## Hostage Rescue

Innocent victims can be protected from serious injury by using the PepperBall System in hostage situations as an alternative to other non-lethal solutions. Suspects can be targeted without causing permanent injury to hostages caught in the crossfire. Projectiles can be used to saturate an area with oleoresin capsicum (OC) powder, forcing a suspect to give up their position without resorting to lethal force.

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## Troop Withdrawal

Troops can be removed from dangerous situations by holding off crowds with PepperBall Projectiles. The projectiles can be shot, from distances up to 100 feet, into and around a large group of people to disperse oleoresin capsicum (OC) powder and keep crowds from advancing.

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## Peace-Keeping Missions

When dealing with potentially riotous but unarmed groups, the PepperBall System can help ensure the situation will not get out of control. In addition to the visible threat of the PepperBall Launcher, the oleoresin capsicum (OC) powder contained in PepperBall Projectiles is a fast and effective means of quelling unruly behavior. It also allows for individual targeting and marking of agitators and riot leaders.



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## Suicide-By-Police

PepperBall Projectiles combine kinetic impact with oleoresin capsicum (OC) powder to enable law enforcement officers to avoid tragedy and force a suicidal suspect to drop weapons and surrender. The psychological impact of being shot, combined with the kinetic impact and pepper effect, may allow officers time to effect an arrest without the use of lethal force.



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## Domestic Violence

Domestic violence incidents can be one of the most dangerous situations law enforcement officers encounter. These situations often involve emotionally upset suspects under the influence of drugs or alcohol. Family members and friends of the subject may also interfere or even attack officers, creating a greater danger for everyone on the scene. The PepperBall System gives officers a safe option to deploy a non-lethal weapon without resorting to deadly force to stop despondent suspects wielding weapons such as a knife or baseball bat.



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### **Realistic Scenario and Live-Fire Training**

Jaycor Tactical Systems has developed a wide variety of PepperBall Projectiles to create realistic training and role-play scenarios. PepperBall Projectiles are available in inert powder, inert scented powder, and inert liquid versions, making it possible to conduct both indoor and outdoor live-fire training without contaminating an area with oleoresin capsicum (OC) powder. There is no substitute for realistic training allowing the "suspect" to shoot back at officers. The inert water training projectiles are an ideal solution for training realism with minimum cleanup.

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### **PepperBall Systems:**

- **Are an alternative to lethal force**
- **Are an affordable addition to non-lethal arsenals**
- **Are safe at point-blank range**
- **Provide increased officer safety**
- **Include recoilless launchers that allow accurate targeting**
- **Utilize a unique combination of kinetic impact, psychological shock, and oleoresin capsicum (OC) powder irritant to gain compliance**
- **Have a suspect targeting range of up to 30 feet**
- **Can be used to saturate areas at distances up to 100 feet**
- **Consist of a variety of launcher systems that convey a visual threat to suspects**
- **Offer multiple types of projectiles for training and tactical operations**
- **Offer launchers with selectable fire semi- or full-auto capabilities with high round capacities**
- **Have a high rapid rate of fire that allows multiple target application**

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# TRAINING

JAYCOR TACTICAL SYSTEMS

## Instructor Certification - Course Schedule

Each agency purchasing a PepperBall System must certify one or more officers as a PepperBall Instructor. *PepperBall Instructor Certification Courses* are held once a month at Jaycor Tactical Systems headquarters in San Diego, California, or call toll-free 877-887-3773 to make arrangements for your agency to host a regional *PepperBall Instructor Certification Course*.



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## Dates

### **June 8 @ Louisville, Kentucky**

Contact: Officer Tim Gilbert; Tel: 502-245-6145

### **June 15 @ Jaycor Tactical Systems (San Diego, Calif.)**

Contact: JTS Toll-Free at 877-887-3773

### **June 18 @ Maynard, Massachusetts**

Contact: Sgt. Cliff Wilson; Tel: 978-897-1011

### **June 20 @ Safford, Arizona**

Contact: Dep. Duane Whitmer; Tel: 520-428-3141

### **June 28 @ Mobile, Alabama**

Contact: Sgt. Kara Fagan; Tel: 334-208-2729

### **June 29 @ Anniston, Alabama**

Contact: Matthew Wade; Tel: 256-236-6600

### **July 5 @ Taylors, South Carolina**

Contact: Deputy Doug Bortone; Tel: 864-895-0172

### **July 10 @ South Bend, Indiana**

Contact: Capt. Greg Delinski; Tel: 219-245-6553



**July 11 @ Long Beach, Washington**

Contact: Loretta Ostgaard; Tel: 360-642-2911

**July 12 @ Carrollton, Georgia**

Contact: Laura Bennett; Tel: 770-836-6748

**July 19 @ Draper, Utah**

Contact: Capt. Lee Lindsay; Tel: 801-495-6606

**July 19 @ Alexandria, Minnesota**

Contact: Sandy Larson; Tel: 888-234-1222, ext. 4406

**July 20 @ Jaycor Tactical Systems (San Diego, Calif.)**

Contact: JTS Toll-Free at 877-887-3773

**For more information on any of the listed training dates, call Jaycor Tactical Systems toll-free at 877-887-3773.**

The one-day *PepperBall Instructor Certification Course* covers PepperBall System operation, safety, maintenance, and training. Attendees will receive a training manual and instructional visual aids. For more information, please [click here](#).

**Safety Guidelines**

**Policy and Procedure Examples**

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# PRODUCTS

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## PepperBall™ Projectiles

PepperBall Projectiles are frangible spheres that are built to burst on impact with enough sting to get a suspect's attention while unleashing a burst of oleoresin capsicum (OC) powder into an individual's eyes, nose, and lungs.



PepperBall Projectiles are available in bulk quantities of 375, 750, 1,500, 3,000, and 15,000. PepperBall Projectiles are not warranted for use with other manufacturer's launchers. Use of PepperBall Projectiles in other launch platforms voids all manufacturer's warranties and liabilities.

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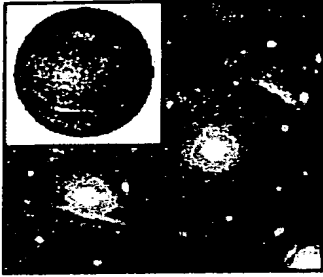
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### PepperBall Projectile Characteristics:

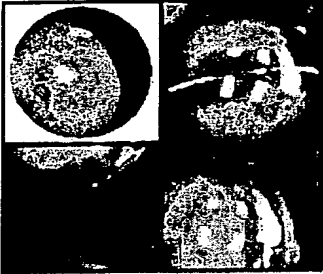
- Safe at point-blank range
- Allow for accurate suspect targeting at distances up to 30 feet
- Allow for area saturation at distances up to 100 feet
- Kinetic impact less than or equal to standard paintballs
- Two-year shelf life
- Operating temperature range of -30 degrees to +150 degrees

Jaycor Tactical Systems offers five types of projectiles in live and training rounds:



### **Oleoresin Capsicum (OC) Powder Projectiles (Red)**

- Live round containing OC powder irritant
- Safe at point-blank range
- Kinetic impact less than or equal to standard paintballs



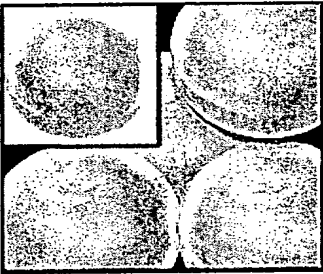
### **Scented Inert Powder Projectiles (Purple)**

- Training round containing scented inert powder
- Safe at point-blank range
- Kinetic impact less than or equal to standard paintballs



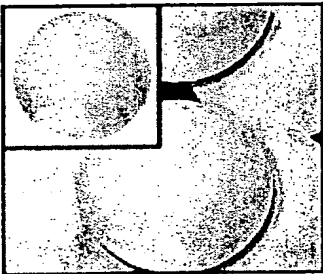
### **Inert Liquid Projectiles (Clear)**

- Training round containing inert liquid
- Safe at point-blank range
- Kinetic impact less than or equal to standard paintballs



### **Dye Marking (Lime)**

- Filled with indelible dye
- Safe at point-blank range
- Kinetic impact less than or equal to standard paintballs



### **Glass-Shattering (White)**

- Solid round designed to break glass
- Not intended for use on people

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# PRODUCTS

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## PepperBall™ Accessories

In addition to launchers and projectiles, Jaycor Tactical Systems offers a full line of accessories and replacement items for the PepperBall System.

For pricing information or to place an order [CLICK HERE](#) or call toll-free **877-887-3773**.



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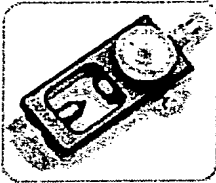
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## PepperBall Fill Station

All PepperBall Launcher bottles require filling from a high-pressure air (HPA) Tank.

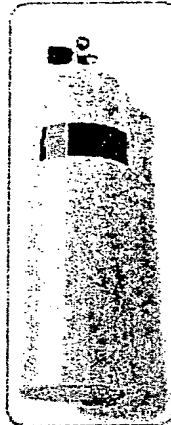
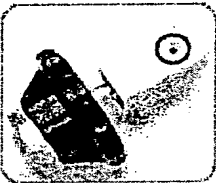
### SCUBA air fill adapter

Part Number: PA-FA



### SCBA adapter

Part Number: PA-SCBAFA



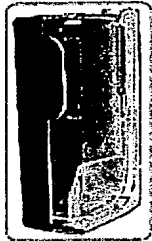
The high pressure air (HPA) Fill Station uses a standard 80-cubic-foot, 3000-psi SCUBA tank. Launcher HPA bottles are filled from the tank using 2 fill adapters.

Part Number: PA-ATK

*NOTE - SCBA Adapter connects to SCUBA air fill adapter to fill HPA bottles.*

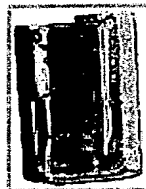
### Clear magazine 20-round capacity for A85

Part Number: PA-MCL20



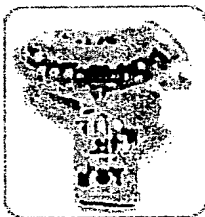
### Clear magazine 20-round capacity for AM4, AM10, and AM16

Part Number: PA-MCL20



### Riot kit

Part Number: PA-RIOT



### Automatic hopper

Part Number: PA-HCL200



### Lubricating oil

Part Number: PA-LO-S or PA-LO-A

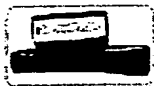
### Butt stock for HPA bottle

Part Number: PA-TB-HPA



**High pressure air  
(HPA) bottle**

**Part Number: PA-HPA**



**SA200 tactical sling**

**Part Number: PA-SLING**



**Guide plate/leaf spring  
assembly for AM4, AM10,  
AM16, and A85**

**Part Number: PA-GP-1**



**180-round capacity hopper  
for SA200**

**Part Number: PA-H200-BL**



**Speed pod loader**

**Part Number: PA-SPEED**



**10-pack O-rings for HPA  
bottles**

**Part Number: PA-OR-10**  
( Also available in quantity of  
1,000.)

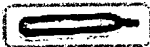


**100-pack 12-gram CO2  
cartridges**

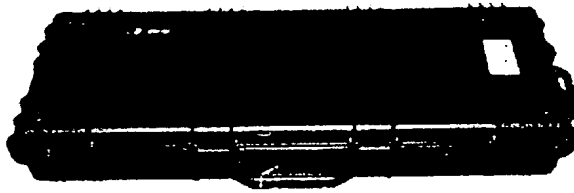
**Part Number: PA-CO2-100**



**Hard case for SA200, A85, AM4, and AM16**



**Part Number: PC-P1700**



**Hard Case for SA8 and AM10**

**Part Number: PA-P1550**



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# PRODUCTS

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## PepperBall™ Launchers

PepperBall Launchers are currently available in pistol, semi-automatic rifle, and select-fire rifle versions. Launchers may be purchased individually or as complete systems. See individual launcher descriptions for exceptions and additional items. For pricing information or to place an order [CLICK HERE](#) or call toll-free **877-887-3773**.

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Each agency purchasing a PepperBall Launcher system must certify one or more officers as a PepperBall instructor. The one-day course covers system operation, safety, deployment, and training issues. Instructor Certification courses are held throughout the U.S. and once a month at Jaycor Tactical Systems

headquarters in San Diego, California. Special arrangements can be made, however, to conduct regional courses at a host agency site. See [Training](#) for more information.

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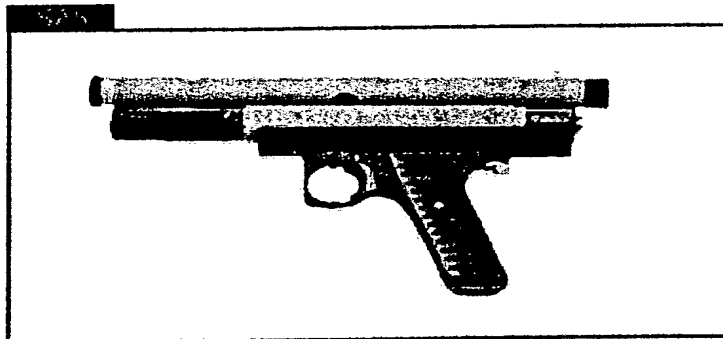
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## Pistol

Part Number: PL-SA8

The SA8 is powered by a 12-gram CO2 cartridge. A holster is also included with purchase (please specify left or right). CO2 cartridges, projectiles, case, and maintenance items sold separately.

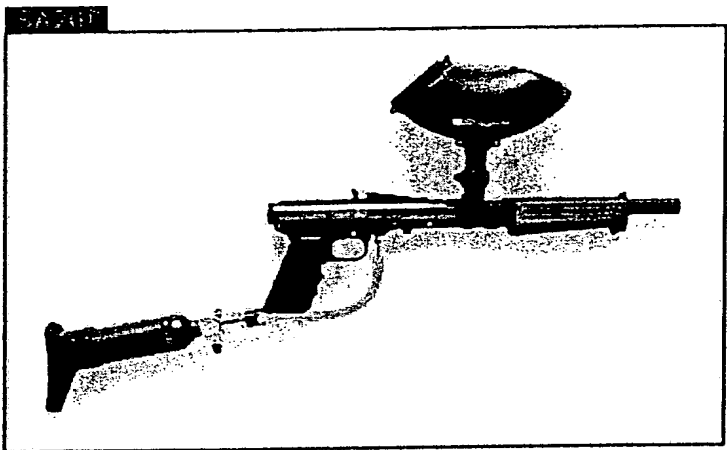


Type:	Length:
Semi-automatic	13.5 inches
Weight:	Velocity:
2.6 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 rounds per second	8 rounds

**Semi-Automatic Rifle**

Part Number: PL-SA200

The SA200 is a semi-automatic rifle powered by a 3,000-psi high pressure (HPA) air bottle. 180-round hopper, HPA bottle, air fill equipment, projectiles, case, and maintenance items sold separately.

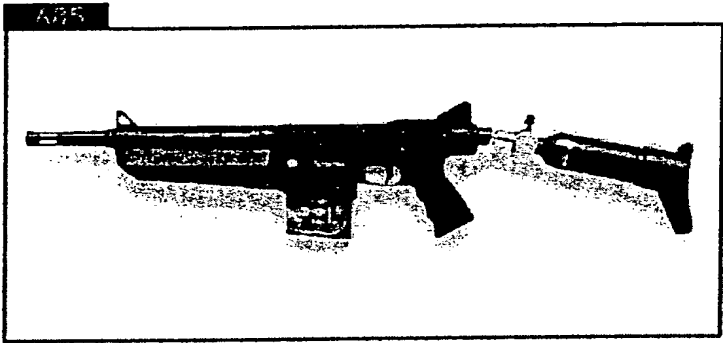


Type:	Length:
Semi-automatic	33 inches
Weight:	Velocity:
3.5 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 rounds per second	180 rounds

**Automatic Rifle**

Part Number: PL-A85

The A85 is powered by a 3000-psi high pressure air (HPA) bottle. Magazine, HPA bottle, air fill equipment, projectiles, case, and maintenance items sold separately.

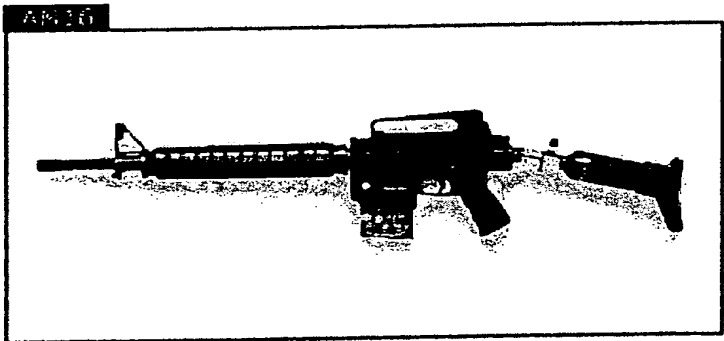


Type:	Length:
Select-Fire	32 inches
Weight:	Velocity:
3.5 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	80 rounds

**Automatic Rifle**

Part Number: PL-AM16

The AM16 is powered by a 3000-psi high pressure air (HPA) bottle. Magazine, HPA bottle, air fill equipment, projectiles, case, and maintenance items sold separately.

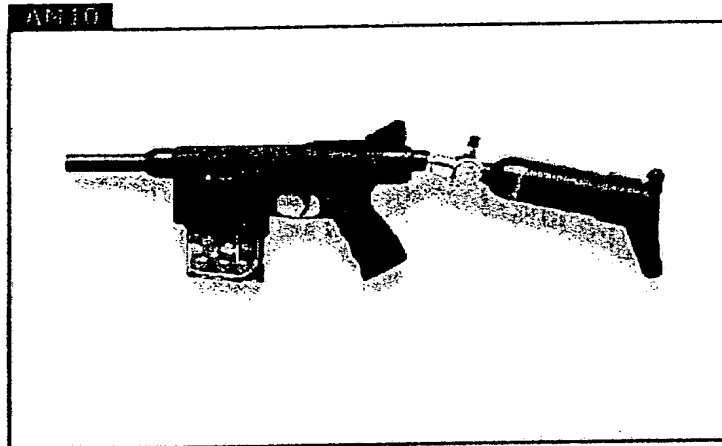


<b>Type:</b>	<b>Length:</b>
Select-Fire	42 inches
<b>Weight:</b>	<b>Velocity:</b>
5.8 pounds	Factory setting of 300 to 380 feet per second
<b>Target Range:</b>	<b>Maximum Range:</b>
0 to 30 feet	100 feet for area saturation
<b>Firing Rate:</b>	<b>Capacity:</b>
6 to 12 rounds per second	20 rounds

## Automatic Rifle

Part Number: PL-AM10

The AM10 is powered by a 3000-psi high pressure air (HPA) bottle. Magazine, HPA bottle, air fill equipment, projectiles, case, and maintenance items sold separately.

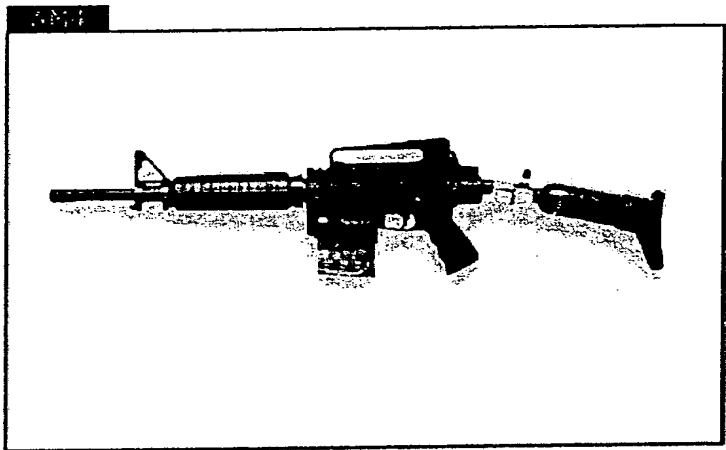


Type:	Length:
Select-Fire	18.3 inches
Weight:	Velocity:
2.4 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	20 rounds

Automatic Rifle

Part Number: PL-AM4

The AM4 is powered by a 3000-psi high pressure air (HPA) bottle. Magazine, HPA bottle, air fill equipment, projectiles, case, and maintenance items sold separately.



Type:	Length:
Select-Fire	35.3 inches
Weight:	Velocity:
5.2 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	20 rounds

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# PRODUCTS

**JAYCOR TACTICAL SYSTEMS**

## PepperBall™ Systems

PepperBall Systems come preassembled and include a launcher, soft case, 13 cubic inch high pressure air bottle (10 CO2 cartridges for pistol), butt stock, and maintenance kit. See descriptions of Systems below for information on launcher characteristics.

Launchers also may be purchased individually. For pricing or to place an order [CLICK HERE](#) or call toll-free **877-887-3773**.



Each agency purchasing a PepperBall System must certify one or more officers as a *PepperBall Instructor*. The one-day course covers system operation, safety, deployment, and training issues. Instructor Certification courses are held throughout the U.S. and once a month at Jaycor Tactical Systems headquarters in San

Diego, California. Special arrangements can be made, however, to conduct regional courses at a host agency site. See [Training](#) for more information.

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**Pistol**

Part Number: PS-SA8

The SA8 is powered by a 12-gram CO2 cartridge and holds 8 rounds. The SA8 System includes a launcher, soft case, holster, 10-pack of 12-gram CO2 cartridges, 10 speed tubes, and a maintenance kit. Projectiles and air fill equipment are sold separately.



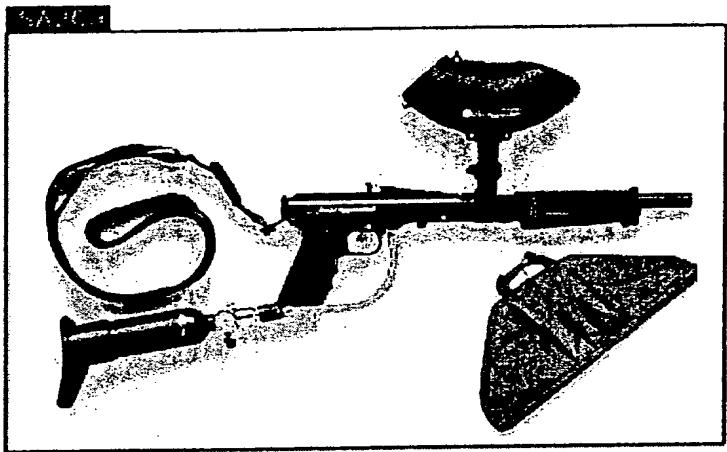
Type:	Length:
Semi-automatic	13.5 inches
Weight:	Velocity:
2.6 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 rounds per second	8 rounds



**Semi-Automatic Rifle**

Part Number: PS-SA200

The SA200 System includes a launcher, 180-round hopper, soft case, 13 cubic inch HPA bottle and butt stock, and maintenance kit. Projectiles, air fill equipment, and tactical sling are sold separately.

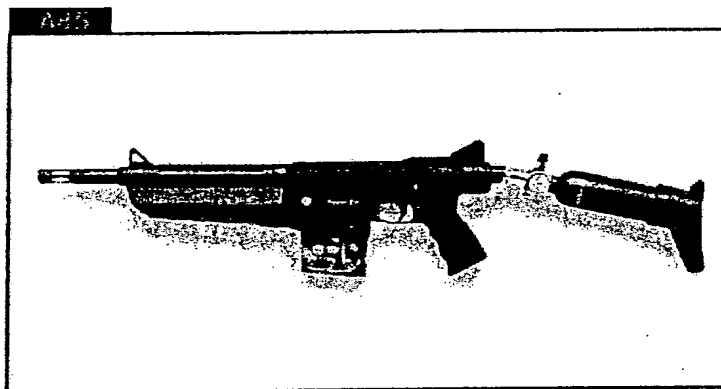


<b>Type:</b>	<b>Length:</b>
Semi-automatic	33 inches
<b>Weight:</b>	<b>Velocity:</b>
3.5 pounds	Factory setting of 300 to 380 feet per second
<b>Target Range:</b>	<b>Maximum Range:</b>
0 to 30 feet	100 feet for area saturation
<b>Firing Rate:</b>	<b>Capacity:</b>
6 rounds per second	180 rounds

## Automatic Rifle

Part Number: PS-A85

The A85 System includes a launcher, 20-round clip magazine, 60-round forward magazine, soft case, 13 cubic inch HPA bottle and butt stock, and maintenance kit. Projectiles and air fill equipment are sold separately.

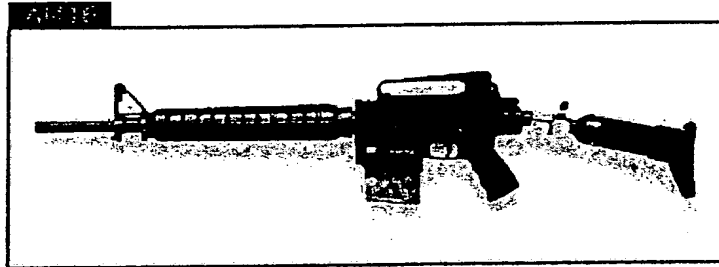


Type:	Length:
Select-Fire	32 inches
Weight:	Velocity:
3.5 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	80 rounds

## Automatic Rifle

Part Number: PS-AM16

The AM16 System includes a launcher, 20-round capacity clip magazine, soft case, 13 cubic inch HPA bottle and butt stock, and maintenance kit. Projectiles and air fill equipment are sold separately.

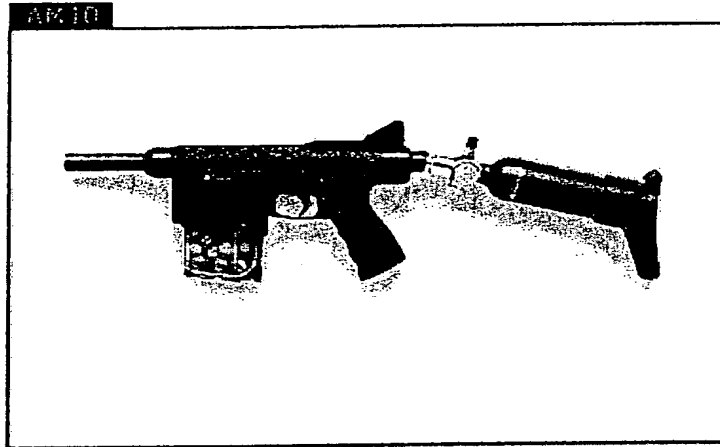


Type:	Length:
Select-Fire	42 inches
Weight:	Velocity:
5.8 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	20 rounds

## Automatic Rifle

Part Number: PS-AM10

The AM10 System includes a launcher, 20-round capacity clip magazine, soft case, 13 cubic inch HPA bottle and butt stock, and maintenance kit. Projectiles and air fill equipment are sold separately.

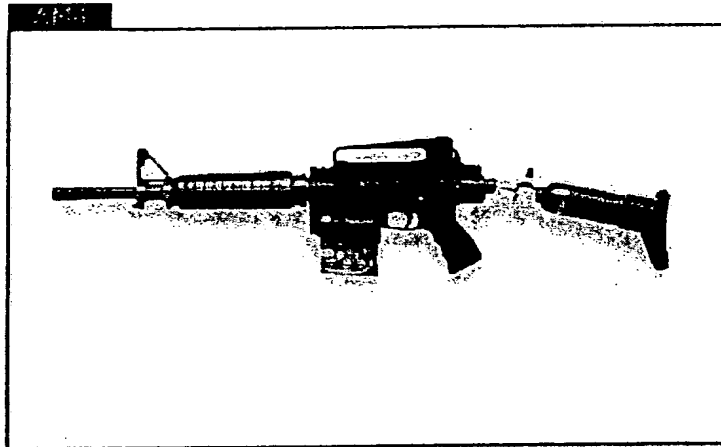


Type:	Length:
Select-Fire	18.3 inches
Weight:	Velocity:
2.4 pounds	Factory setting of 300 to 380 feet per second
Target Range:	Maximum Range:
0 to 30 feet	100 feet for area saturation
Firing Rate:	Capacity:
6 to 12 rounds per second	20 rounds

## Automatic Rifle

Part Number: PS-AM4

The AM4 System includes a launcher, 20-round capacity clip magazine, soft case, 13 cubic inch HPA bottle and butt stock, and maintenance kit. Projectiles and air fill equipment are sold separately.



<b>Type:</b>	<b>Length:</b>
Select-Fire	35.3 inches
<b>Weight:</b>	<b>Velocity:</b>
5.2 pounds	Factory setting of 300 to 380 feet per second
<b>Target Range:</b>	<b>Maximum Range:</b>
0 to 30 feet	100 feet for area saturation
<b>Firing Rate:</b>	<b>Capacity:</b>
6 to 12 rounds per second	20 rounds

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# NEWS

 JAYCOR TACTICAL SYSTEMS

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## PepperBall™ In The News

### ***PepperBall Guns Used for First Time on Teen***

May 18, 2001

The Arizona Republic

Peoria police officers deployed the PepperBall System to subdue a 16-year-old boy who was wielding a knife. The boy fell to the ground after being hit with PepperBall projectiles and officers were able to quickly take him into custody.

### ***Aspen May Spice Up Lives of Pesky Bruins***

May 11, 2001

Rocky Mountain News.com

Aspen City officials are looking at Jaycor Tactical Systems' PepperBall technology as a solution to bear problems. "We feel using a nonlethal, half-inch, hot-pepper pellet to discourage garbage can raiding bears is better than having to trap and shoot them," Pat Tucker, wildlife manager in Glenwood Springs, told the *Rocky Mountain News*. The idea is to deter bears without hurting them, and Tucker said research conducted in Yellowstone, Yosemite, and Alaska has shown pepper to be effective on bears.

### ***Pepper Guns Bring Non-Lethal Force***

May 2, 2001

The Daily Tribune

Oak Park police officers have been outfitted with the PepperBall System. "The gun gives officers an option to using firearms," said Sgt. Christopher Martinelli. Oak Park officers have already used the PepperBall System to stop a pit bull that was loose in a backyard and would not submit to an animal control officer.

### ***Jail Armor, Attire Showcased at Trade Expo***

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**April 25, 2001**  
**The Columbus Dispatch**

The American Jail Association's annual conference attracted more than 2,300 members to the Greater Columbus Convention Center. The meeting featured seminars on correctional topics and an exhibit hall with the latest products available to prisons. The PepperBall System was among the more popular booths in the exhibit hall, and drew additional attention from local officers dealing with student rioting at Ohio State University. "[The PepperBall System] would have been very effective on campus last weekend," said Jaycor Tactical Systems Sales Representative Jim Topham of the non-lethal weapon.

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**S.A. Police Corner the Pepper Market**  
**April 24, 2001**  
**San Antonio Express-News**

San Antonio Police Department officer volunteered to be "shot" during a six-hour PepperBall System training course. The department purchased six SA200 PepperBall Launchers to be used by its Special Weapons and Tactics team. "I knew what was coming so I was prepared for it," SWAT Officer Mark Pointon told the San Antonio Express-News. "But if somebody else just felt it, they would probably think they got shot." Police Spokesman Sgt. Gabriel Trevino said the PepperBall System gives officers another tool when deadly force is not necessary.

---

**Suspect Can't Elude Copter's Heat Sensor**  
**April 4, 2001**  
**The San Diego Union-Tribune**

An auto thief was driven from his hiding spot in a culvert under some ice plant by San Diego Sheriff's deputies with the PepperBall System. The suspect had led police on a car chase and run into a canyon after ditching his vehicle. A sheriff's helicopter tracking the chase detected the suspect using an infrared scope and directed deputies to his hiding spot. The suspect refused to come out so deputies shot four PepperBall Projectiles at him. He then gave up and was arrested on suspicion of auto theft, possessing stolen property, and evading a peace officer.

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**Deputies' New Weapon has Plenty of Kick--As in Chile**  
**April 2, 2001**  
**Albuquerque Tribune Online**

The Bernalillo County Sheriff's Department has added the PepperBall System to its less-lethal weaponry cache. Sheriff's Spokesperson Michele Arviso told the *Albuquerque Tribune* that the PepperBall System "increases the chances of solving situations peacefully without using lethal force." The Department purchased about 30 PepperBall Launchers to be used by SWAT officers and sergeants.

---

***NYPD Begins Trial Test of Pepper Rifle*****March 19 , 2001****New York Daily News Online**

The New York Police Department has begun field testing the PepperBall System. Police Commissioner Bernard Kerik told the *Daily News* he thought the PepperBall System "will be a good tool to eliminate the use of deadly physical force." The PepperBall System has been deployed in 11 of NYPD's Emergency Service Unit trucks throughout the city.

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***PepperBall Gun Gives Police An Option Short of Lethal Weapons*****March 14 , 2001****The Inquirer**

Jim McGowan, chief of the Dowingtown Police Department in Pennsylvania, recently purchased the PepperBall System to give his officers a non-lethal option when out on the streets. He said he was looking for something that was accurate, reliable and not deadly. McGowan's department is one of 15 agencies in Pennsylvania that have adopted the PepperBall System.

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***Seattle's Mardi Gras Gets Ugly Again*****February 26, 2001****Seattle Times**

Mardi Gras celebrations in Seattle's Pioneer Square degenerated into another melee, reminiscent of last year's World Trade Organization riots. The Seattle Police Department had increased its presence downtown to more than 200 officers, but things got ugly just before 1 a.m. when someone reported seeing a man with a gun. When officers arrested the man, the crowd began throwing bottles and rocks. Officers in riot gear were dispatched and used the PepperBall System to disperse the crowd. The crowd did cause some property damage, breaking store and car windows. Six people were arrested, and four officers reported injuries.

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***Beach Standoff*****February 23, 2001****The San Diego Union-Tribune**

The San Diego Police Department used the PepperBall System to successfully capture a man who had been waving a knife before he ran into the Pacific Ocean to try to escape from officers. The man led officers on a foot chase in and out of traffic and down to the beach, where officers deployed the PepperBall System to help bring an end to the 90-minute standoff. The man was not injured but was taken to the hospital for a mental evaluation.



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***Spicing Up Crime Fighting*****January 31 , 2001****The Record-Herald And Indianola Tribune**

The Indianola Police Department became the first agency in Iowa to adopt the PepperBall System. Chief Steve Bonnett saw the non-lethal weapons at the 2000 International Association of Chiefs of Police conference and decided to add it to his department's arsenal. "The hope is it buys us enough time to hold the person," said Officer Scott Dwyer. "This is not a replacement for deadly force, this is simply another option for our officers to use, what we hope it would accomplish is it would prevent the need to use deadly force."

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***Big MD P.D. Unveils Line of Nonlethal Tools*****January 13 , 2001****The Washington Post**

Prince George's County (Md.) Police Department added several weapons to its less-lethal arsenal, including the non-lethal PepperBall System. According to Police Chief John S. Farrell, all of the department's 1,420 officers have been trained to use all of the new weapons and have been instructed to use them before reaching for their revolvers.

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***Freeway Chase, Standoff End in Pepper Barrage*****January 9, 2001****The San Diego Union-Tribune**

The San Diego Police Department used the PepperBall System to drive a suspect from his vehicle after a 20-minute pursuit with speeds in excess of 70 mph. The driver was suspected of a crashing into another vehicle and driving away from the scene. Police managed to block the suspect on a freeway off-ramp. When the driver refused to get out of his Expedition, officers broke a window on the vehicle and filled the SUV with PepperBall Projectiles. Within a few minutes, the suspect surrendered.

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***Gila River Police Buy Pepper Guns*****January 5 , 2001****The Tribune (New Mexico)**

The Gila River Indian Community Police Department is training all of its 65 officers in the use of the PepperBall System. The department recently purchased several automatic systems as part of its push to use less-lethal weapons. Officers believe the PepperBall System will be useful in hostage and barricade situations if the person is armed with a knife or other weapon.

---

***Armed Robbers Nabbed After Standoff*****January 4 , 2001****The Bowie Blade-News**

Prince George's County (Md.) Police Department arrested two men who were attempting to rob a home improvement store in Bowie, Maryland. No shots were fired, but officers on scene were carrying the PepperBall System.

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***New Nonlethal Weapon Lets Police Force Aim for Safety*****December 14 , 2001****Gazette Regional News**

Prince George's County Police Department (PGCPD) began training 150 officers on the PepperBall System. The department purchased 55 PepperBall Launchers, and one officer on every patrol squad is assigned to carry one. "The more options you have of [using] less [than] lethal force, you reduce the likelihood of having to shoot somebody. Though that can never be eliminated," said Bucky Mills, PGCPD director of judgement training. Mills also said the PepperBall System has already been used successfully seven times in the field.

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***Fare Draws a Gun, Cabbie Bails Out*****November 26 , 2000****The San Diego Union-Tribune**

A cab driver abandoned his vehicle and called for help when a man got in and pulled a gun. The man was in the cab for nearly an hour until San Diego Police Department SWAT officers fired PepperBall into the vehicle. When the man got out of the cab, officers found his weapon was actually a plastic BB gun. The man was uninjured but was taken to a county mental health facility for evaluation.

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***Seasoned Officers: NCSO Puts PepperBall Onto the Street in Hopes of Giving Deputies One More Option Before Deadly Force*****November 24, 2000****Pahrump Valley Times**

It was only by coincidence that the Nye County (Nev.) Sheriff's Office held a PepperBall training day two days after shooting a pair of armed robbery suspects. But it was that type of incident that caused NCSO to outfit officers with PepperBall Launchers. "It's another intermediary step before deadly force," said Assistant Sheriff Rick Marshall. He also said the non-lethal weapons are "meant to cut down on SWAT call-outs and help resolve situations at the scene." NCSO is the first law enforcement agency in Nevada to adopt PepperBall technology, and plans to equip every patrol vehicle and detention facility in the county with a launcher.

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***Sheriff Unveils Nonlethal Arsenal*****October 12 , 2000****The Times-Picayune**

The St. Tammany (La.) Sheriff's Office added PepperBall to its less-lethal arsenal. Lt. Mike Denardo said the new system helps avoid the use of deadly force. Members of the Sheriff's SWAT team will be outfitted with PepperBall.

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***Refining Confinement: High Tech Prison Reform*****October 12, 2000****News-Journal Online**

The Technology Review Team, or TRT, was founded under the Texas Department of Criminal Justice to help the department find and test the latest law enforcement technologies. Representatives from many states come to the quarterly TRT meetings to hear vendors presenting their solutions to law enforcement dilemmas, and some of those technologies are already being adopted. The PepperBall System, for instance, is already being pilot-tested in many corrections facilities throughout the United States.

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***Police Officers Attend Training: Group Learns Proper Use of PepperBall Gun*****September 9 , 2000****Marion Chronicle-Tribune**

Grant County (IN) Sheriff's deputies spent a day at Grant County Jail learning the PepperBall System. Captain Mike Ross said he could see the launchers being used for riot control and other jail disturbances. Officers from Noble and Vanderburgh counties, Evansville, the Indiana State Police and State Department of Corrections, and sheriff's departments in Ohio and Virginia also attended the PepperBall training.

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***Police Look at Options in Defusing Standoffs*****August 31, 2000****Detroit Free Press, [www.freep.com](http://www.freep.com)**

The Detroit Police Department is among many law enforcement agencies across the nation looking for options to lethal force. One new product being eyed by another large department, the Denver Police Department, is the PepperBall System. Jaycor Tactical Systems says that PepperBall is currently being tested by several large agencies including the New York City Police Department, the Federal Bureau of Prisons, and the U.S. Border Patrol.

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***PepperBall Rifle Finding Place in Sheriff's Arsenal*****August 22, 2000****NCTimes.net**

San Diego Sheriff's deputies used the PepperBall System to end a standoff with a woman who refused to get out of her van. Deputy Alan Walbridge fired more than 30 PepperBall rounds into the van before deputies could take the woman into custody. Sgt. Charlie Campe said the department purchased 274 PepperBall Systems that will be rolled into the field by early September.

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***Pepper That Packs Punch Set To Spread Across U.S.*****August 15, 2000****Reuters**

Jaycor Tactical Systems' (JTS) PepperBall System made its debut on the streets of Los Angeles at the Democratic National Convention. PepperBall is a nonlethal addition to the Los Angeles Police Department's less-lethal arsenal and was used to disperse some 9,000 people gathered at a free rock concert outside the DNC. Roger Behrendt, general manager of JTS, said the PepperBall System gives law enforcement an option to their fists and handgun. Behrendt said he predicts PepperBall will soon be used by more agencies across the United States, and said there has also been interest in Indonesia and South America.

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***Deputies Arrest Carjacking Suspects*****August 13, 2000****North County Times**

San Diego County Sheriff's deputies used PepperBall to subdue eight men suspected of carjacking. Deputies found the carjacked vehicle parked at an apartment complex and decided to wait for the suspects to return. Eight men did return to the car and beginning to strip it when the deputies moved in. When the suspects tried to flee, deputies deployed the PepperBall System. All eight were taken into custody.

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***Jail First in State to Use New Method To Subdue Fights*****August 10, 2000****Associated Press Newswires**

County commissioners for Merrimack County Jail in New Hampshire have approved the use of the PepperBall System in their facilities. The jail is the first agency in the state to be authorized to use the device, but the system will be initially limited to the special response team that handles the most dangerous incidents. The PepperBall system will be used to break up fights in the jail, which was originally designed to hold 72 inmates but has been modified to hold 144 inmates.

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***PepperBall Gun Passes Real-Life Test*****August 9, 2000****Modesto Bee**

The Merced County Sheriff's Office deployed the PepperBall System to subdue a man who was shooting through the walls of his mobile home with a .30-.30 rifle. Assistant Sheriff Hank Strength said he opened fire with the PepperBall Launcher when the suspect attempted to go inside his home. The suspect dropped his weapon after Strength hit him several times with PepperBall Projectiles. "It worked just like it was supposed to in this case," Strength said. "It stops us from having to kill someone." Merced County originally bought the PepperBall System for use in its jails, but Strength said they used PepperBall in this case because the suspect never pointed the rifle at anyone.

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***Denver Considers Non-Lethal Police Guns Device That Launches Plastic Balls Offers Less Violent Option*****August 8, 2000****Denver Rocky Mountain News**

The Denver Police Department is evaluating the PepperBall System as a non-lethal solution for its officers. The department will host a training class to become familiar with the device before deciding whether or not to purchase. According to Denver Police Spokesperson Tony Lombard, patrol officers do not currently have any access to less-than-lethal technology.

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***Police Play PepperBall*****July 1, 2000****Manassas Journal Messenger**

Police and correctional officers from Virginia and Washington, D.C., tried out the PepperBall System during a training exercise demonstrating non-lethal force. Attendees had an opportunity to fire the systems and some even volunteered to be targets during the exercise. Manassas police have purchased four PepperBall Systems to add to its less-lethal arsenal.

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***MI Cops Get Look At "Hot" New Less Than Lethal Weapon*****June 18, 2000****Lansing (Michigan) State Journal**

Nearly 30 officers police departments across the state of Michigan tested the PepperBall System at a training class held at the Department of Police and Public Safety at MSU. "It hurt bad," said Sgt. Matt Meroney, who volunteered to be hit with PepperBall as part of the training process. "It's going to stop anybody."

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***Area Firm Helps Cops Put the Sting To Bad Guys*****May 29, 2000****San Diego Business Journal**

Local San Diego, Calif., law enforcement agencies are giving the PepperBall System from Jaycor a nod of encouragement in the form of pending purchases. This new non-lethal technology may appear to be a simple concept, but it took Jaycor's research and development wherewithal to bring it to market. Agencies across the country are currently using the new non-lethal technology from PepperBall.

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***Prison Officials Test Futuristic Technology in Mock "Riots"*****May 26, 2000****CNN.com**

Corrections officers from all parts of the country gathered in Moundsville, West Virginia, for a three-day staged prison riot to share knowledge and tactics, and try out the latest technologies. The PepperBall System was one of the many tools used by participating officers. The mock riot helps corrections officers identify tools that are less violent but will enable them to stop real riots without the use of deadly force.

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***An Arsenal of "Less Lethal" Firearms*****May 17, 2000****San Diego Union-Tribune**

The San Diego (Calif.) Sheriff's Department received approval from the County Board of Supervisors to purchase \$500,000 of less-lethal equipment, which will include the PepperBall System, a new non-lethal weapon developed by Jaycor Tactical Systems.

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***Sheriff Gets \$500,000 for Less-deadly Weapons*****May 17, 2000****North County Times**

With the approval of the County Board of Supervisors, the San Diego (Calif.) Sheriff's Department purchased more than 250 PepperBall Systems. "We plan to train all of the court-services deputies and transportation deputies then place the weapons with patrol deputies."

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***The Way We Live Now: Phenomenon Accessories for the Big House*****May 14, 2000****The New York Times**

Jaycor Tactical Systems exhibited at the American Jail Association Expo in Sacramento where more than 2,000 sheriffs, wardens and correctional officers gather to attend workshops, share ideas, and see the latest prison products.

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***Pepper Bullets: Deterrence Without Death***

**May 10, 2000**  
**APBnews.com**

Randy Dotinga's feature article chronicles the evolution of PepperBall from innovation to PepperBall's national debut during the WTO riots in Seattle, Washington, and looks into the future of non-lethal measures.

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***Area Law Agencies Move Toward New Non-Lethal Weapons***

**April 6, 2000**  
**San Diego Union-Tribune**

The National City (Calif.) Police Department adds the PepperBall System to its non-lethal arsenal.

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***Some CA Police Acquire Non-Lethal Weapons***

**April 3, 2000**  
**San Diego Union-Tribune**

The National City Police Department, located in San Diego, California, is equipping all of its officers with the PepperBall System, the latest in non-lethal weaponry. Police Chief Skip DeCerchio told the Union-Tribune that National City made the decision to get a PepperBall Launcher for every officer to ensure that patrol officers will have such weapons available at scenes, rather than having to call for SWAT backup.

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***New Way for Police to Pack Some Heat: Area Forces Might Use PepperBall***

**April 1, 2000**  
**The Washington Post**

Jaycor Tactical Systems traveled to Northern Virginia to demonstrate its PepperBall System to area law enforcement. Fairfax County, Arlington, and Alexandria police departments are all evaluating PepperBall for addition to their non-lethal arsenals.

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***PepperBall System Breaks New Rounds***

**April 2000**  
**Law Enforcement Technology**

Craig Beery of Jaycor Tactical Systems discusses the PepperBall System's value as a compliance technology. Firing small frangible balls filled with OC pepper powder deliver the stinging chemical directly onto the perpetrator, interfering with his breathing and forcing him into compliance. The advantage of PepperBall is that it can deliver OC powder at both close and long range to gain

control over suspects.

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### ***Police Consider Using Non-Lethal "Bullets"***

**March 16, 2000**  
**Centreville Times**

Fairfax County, Virginia, police officers got a live demonstration of PepperBall, a new non-lethal weapons system, from Jaycor Tactical Systems. The officers had an opportunity to test the PepperBall Launchers, and if Fairfax County chooses to purchase systems, it will be the first large jurisdiction on the East Coast to be using PepperBall.

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### ***Polk's Latest Crime Tool: Pepper Spray Bullets, Guns***

**March 11, 2000**  
**The Tampa Tribune**

The Polk County (Fla.) Sheriff's Office is adopting the PepperBall System. Lieutenant Ed Hill told the Tampa Tribune the PepperBall System gives Polk officers an alternative to deadly force. The PepperBall Launchers are assigned to Polk's emergency response team, but Hill said the plan is to eventually equip all of its patrol officers with the new non-lethal weapons.

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### ***New Weapon Packs Heat: PepperBall Piques Police Interest, Gets Raves***

**March 9, 2000**  
**The Washington Post**

Police in Northern Virginia received a demonstration and training session on PepperBall technology. Fairfax County and Arlington expressed interest in adding PepperBall Launchers to the departments' non-lethal arsenal. Fairfax Police Major Gary Ball told The Washington Post that he was impressed by the PepperBall demonstration and saw uses for the technology in numerous situations including stand-offs, barricades, and prison riots.

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### ***Police Gadgets Aim to Fight Crime With 007-Style Ingenuity***

**March 7, 2000**  
**The New York Times**

New gadgets for law enforcement were showcased in New York at a breakfast held by the Citizens Crime Commission. Among the new technologies that are available is Jaycor Tactical Systems' PepperBall, which is scheduled to be demonstrated to the New York Police Department. NYPD is considered the entry point for new technologies in law enforcement since it is the largest police force in the country.



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***Candidates Say Police Must Revise Force Policy: Panel Supports Changes in Shooting Procedures, Improved Race Relations*****February 27, 2000****San Diego Union-Tribune**

San Diego, Calif., city mayoral candidates spoke at a community forum in support of making changes to the San Diego Police Department's shooting policies to adopt more non-lethal force options. County supervisor and mayor candidate Ron Roberts offered support for the PepperBall System and circulated inert projects through the audience to introduce Jaycor Tactical System's new non-lethal compliance technology.

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***When Should Cops Shoot? Answer is Far From Simple*****February 22, 2000****San Diego Union-Tribune**

The San Diego (Calif.) Police Department has a history of investigating its options in less-lethal technology to protect its officers and citizens. The department is testing the PepperBall System from Jaycor Tactical Systems as a possible tool to add to its non-lethal arsenal.

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***S.D. Police Fire Bean Bags, Pepper Pellets to Subdue Man With Knife*****February 13, 2000****San Diego Union-Tribune**

San Diego, California, police officers shot a 33-year-old man wielding a knife with bean bag rounds, but he refused to drop his weapon until he was hit with rounds from a PepperBall Launcher.

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***West Hollywood Deputies Testing Non-Lethal Guns: Pepper-Spray "Paint Balls" Designed to Disable Dangerous Subjects*****February 10, 2000****Park Labrea News**

Los Angeles (Calif.) County Sheriff deputies at the department's West Hollywood Station are testing the PepperBall System from Jaycor Tactical Systems. Captain Richard Odenthal said the PepperBall Launchers offer an additional option to prevent a situation from turning into a deadly incident.

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***Sheriff's Department Tries Pepper*****February 2, 2000****Polk Online, The Web Site of the News Chief**

The Polk County Sheriff's Department is the first agency on the

East Coast to be equipped with the PepperBall System. The non-lethal platform will be used by Polk's special tactics team initially, but field officers also may soon carry the weapon.

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### ***WTO Delegates Battle Protesters to do Business***

**December 1, 1999**

**USAToday**

World Trade Organization protesters prevented delegates from attending scheduled meetings as Seattle, Washington, police tried to clear a path through the rioting. In addition to tear gas and pepper spray canisters, police used PepperBall Launchers and Projectiles to target individual rioters and saturate areas with pepper from greater distances.



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**FAQ**

**JAYCOR TACTICAL SYSTEMS**

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- ▶ PROJECTILE OPERATIONS
- ▶ ORDERING
- ▶ TRAINING & TACTICS
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## LAUNCHER OPERATIONS

### What is the velocity and maximum range of PepperBall Launchers?

PepperBall Launchers are factory set at a velocity of 350 to 380 feet per second. All PepperBall launchers can target accurately at distances up to 30 feet. For oleoresin capsicum (OC) area saturation, projectiles can be broken against a hard surface such as a car or wall at distances up to 100 feet. As with deployment of any chemical agent device, wind, temperature, and humidity conditions need to be considered when evaluating the use of chemical irritants.

### How many PepperBall Projectiles can be fired using the 3000 psi HPA bottle?

Under optimal conditions, users can expect to get approximately 155 to 175 shots off a 3000 psi bottle before needing to refill.

### How many rounds do PepperBall Launchers hold?

PepperBall Launchers can hold between 8 and 180 rounds, depending on the launcher.

### How many PepperBall Projectiles are deployed per second?

Depending on the PepperBall Launcher, between six and 12 PepperBall Projectiles can be deployed per second. The rounds are fired at a velocity of between 350 to 380 feet per second.

**How many HPA bottle fills can I get from an 80 cubic foot SCUBA tank?**

An 80 cubic foot tank at 3000 psi will give between 20 to 30 useable launcher bottle fills. Because each bottle fill draws some pressure away from the SCUBA tank, a useable fill is defined as between 1500 to 3000 psi in the bottle.

**How often do the O-rings have to be replaced?**

The bottle O-rings need to be replaced when damaged or as part of an annual preventative maintenance program. Refer to the owner's manual for internal O-ring maintenance schedules.

**What are the signs of a damaged O-ring?**

Cracked, split, worn, or creased O-rings indicate it is time for replacement. Air leaks at the filler bottle connection are also an indication of a damaged O-ring.

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**PROJECTILE OPERATIONS**

**What types of PepperBall Projectiles are currently available?**

There are currently five types of PepperBall Projectiles available:

Live Oleoresin Capsicum (OC) Powder Projectile (color code RED)  
Scented Inert Powder Projectile (color code PURPLE)  
Inert Liquid Projectile (color code CLEAR)  
Glass-Shattering (color code WHITE)  
Dye Marking (color code LIME)

**What is the shelf life of the PepperBall Projectiles?**

In a controlled temperature environment, PepperBall Projectiles currently have a shelf life of three years.

**What is the operating temperature range of a PepperBall Projectile? Will it freeze if left in the cold or melt if left in a hot vehicle?**

PepperBall Projectiles are made from a hard plastic that resists extreme temperatures. The powder-filled projectiles have an operating temperature range of minus 30 to 150 degrees. Under standard conditions of heat and cold, the projectiles will continue to function reliably. It should be noted that using the projectiles in cold weather could result in an increased pain penalty.

**What is the hotness level of the pepper in PepperBall Projectiles?**

PepperBall Projectiles utilize oleoresin capsicum (OC) powder equivalent to current standard OC products.

**What is the impact force of a PepperBall Projectile?**

A PepperBall Projectile impacts with 8 to 10 foot-pounds of force, as compared to a paintball round that also impacts at approximately 8 to 10 foot-pounds of force.

**What will a PepperBall Projectile do to exposed skin?**

Shots to exposed skin will leave welts or bruises. On areas where the skin is close to the bone, it may break the skin or cause more severe bruising.

**Will PepperBall Projectiles break a window or penetrate doors or walls?**

PepperBall Projectiles may break glass windows found in some buildings, depending on the glass type, thickness, and size. If a volley of PepperBall Projectiles is shot at the same spot on a glass window, breakage could occur. Any projectile, including a recreational paintball, will dent most soft building materials including drywall, plywood, and paneling. Projectiles may dent hollow core doors, but the projectiles will not penetrate a wall or door.

**How long do the effects of an oleoresin capsicum (OC) PepperBall Projectile last?**

Response to inhaling the OC powder from a PepperBall Projectile varies among individuals. In most cases, the symptoms last between five and 10 minutes. The PepperBall Launchers deliver the projectiles with enough kinetic energy to produce temporary abrasions, bruises, and/or welts, which usually disappear in two to three weeks.

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**ORDERING****Who can purchase PepperBall Launchers and PepperBall Projectiles?**

At the current time, PepperBall Launchers and PepperBall Projectiles are sold only to law enforcement, corrections, military, and government agencies.

**Where can an agency buy a PepperBall System?**

Jaycor Tactical Systems (JTS) is the sole source provider of PepperBall Systems, and all PepperBall Launchers and PepperBall Projectiles must be purchased through JTS sales staff. JTS PepperBall products are protected by one or more U.S. Patents. Other domestic and foreign patents are pending.

**Does JTS accept credit cards for payment?**

Yes. VISA and MasterCard are accepted for payment.

**How are PepperBall Systems shipped?**

PepperBall Launchers and PepperBall Projectile training rounds can be shipped by any common carrier to arrive overnight, two-day, or ground.

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**TRAINING & TACTICS****What is the effective range for targeting individuals with PepperBall Projectiles?**

Individuals can be targeted up to 30 feet, and PepperBall Projectiles are muzzle safe at point-blank range. Tactical considerations should dictate the minimum distance to close with

a particular suspect.

**What is the nearest distance PepperBall Projectiles can be deployed against a suspect?**

PepperBall Projectiles can be shot at point-blank range, although the kinetic impact will be slightly greater at close range. Suspects can be accurately targeted up to 30 feet away with the enough kinetic impact to shatter the projectile and leave a welt or bruise. PepperBall Projectiles should never be aimed at a suspect's eyes, face, throat, and spine. Instead aim below the neck at the suspect's torso or center of mass area.

**What is the effective range for saturating an area with OC powder?**

PepperBall Projectiles may be used for area saturation against hard surfaces at distances up to 100 feet. Some curve in projectiles flight path should be expected at distances beyond 30 feet. As with deployment of any chemical agent device, wind, temperature, and humidity conditions need to be considered when evaluating the use of chemical agents.

**How many rounds must be fired to certify an officer to use the PepperBall System?**

Each officer should fire up to 50 rounds on each of the PepperBall Launchers to meet certification requirements.

**What is JTS' recommendation for the initial number of PepperBall Projectiles to be fired on a suspect?**

JTS recommends targeting a suspect with four to 10 PepperBall Projectiles on first contact. After assessing the suspect's compliance level, another four to 10 rounds can be fired if necessary. If there is no compliance after two applications, other measures should be introduced.

**What type of protection is required for shooting PepperBall Projectiles?**

In training scenarios, approved and tested eye, face, throat, and groin protection is suggested. Any tight weave fabric covering other exposed skin also should be considered. Normal battle dress uniforms (BDUs) work well as do most coveralls.

**Does a protective vest eliminate all of the pain penalty from a PepperBall Projectile?**

No. The chest and back area will be protected from the sting of the impact from PepperBall Projectiles, but protective vests do not provide complete body cover.

**Is it necessary to wear a throat collar when training with the PepperBall System?**

Yes, if you are the target. Although the eyes, face, and throat should never be targeted, PepperBall Projectiles will leave welts or bruises on unprotected skin. There are some sensitive areas of the throat and neck that could become injured if accidentally hit. Throat protection is suggested when training with PepperBall Projectiles to prevent injury.

**Is it necessary to wear a full-face mask when training with the PepperBall System or are goggles or safety glasses**

**sufficient?**

JTS recommends a full-face mask, as well as throat and groin protection for training purposes. Training staff also should be cognizant of providing additional chest protection to officers as necessary.

**Should officers consider wearing a protective vest during PepperBall System training?**

PepperBall Projectiles will leave welts or bruises on unprotected skin. Although hits to exposed skin are discouraged, much of the value of projectile-based training comes from the pain aversion associated with the sting of the impact from a PepperBall Projectile. It is possible that by eliminating the sting and the "I've been shot" psychology inflicted by the projectiles, some of the training value of the PepperBall System is lost. Trainers should decide on how much pain penalty is permissible in their unique training environment and pad students accordingly. It may be advisable to pad role-players and training staff with protective vests since there is no training value in pain consequences to these personnel. Training staff should be careful to provide additional padding for officers to protect soft-tissue areas.

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**GENERAL****Are PepperBall Projectiles the same as a paintball rounds?**

No. PepperBall Projectiles are the same caliber--.68--but the similarities end there. PepperBall Projectiles are a hard frangible sphere with an operating temperature range of -30 degrees to 150 degrees. In contrast, paintballs are made from a soft gelatin that is highly sensitive to changes in temperature. PepperBall Projectiles are available in live oleoresin capsicum (OC) and inert training rounds and should never be used for recreational purposes.

**Can paintball rounds be shot from a PepperBall Launcher?**

No. PepperBall Projectiles should only be fired from a PepperBall Launcher. Paintball rounds should never be used in a PepperBall Launcher because there is a high possibility that the paintball round will burst in the barrel, potentially damaging the accuracy of the PepperBall Launcher and increasing launcher maintenance.

**Can PepperBall Projectiles be shot from a paintball launcher?**

No. JTS does not warranty the use of PepperBall Projectiles in any launchers other than those sold by JTS, which have been tested for accuracy and reliability.

**Does getting hit with a PepperBall Projectile hurt more than getting hit with a paintball?**

Users report that the pain penalty from a PepperBall Projectile is consistent with a paintball round, but studies demonstrate that the kinetic energy of the PepperBall System is actually less than most paintballs guns since the mass of the PepperBall Projectile is less than a gelatin paintball. The PepperBall Projectile may cause greater sting than a paintball due to the projectiles hard frangible shell. It is recommended that shots to exposed skin be avoided in

training scenarios.

### **What is the typical physical reaction when hit with a live OC PepperBall Projectile?**

PepperBall Projectiles subdue suspects with a combination of kinetic impact, psychological shock, and oleoresin capsicum (OC) powder. The sting of the impact of PepperBall Projectiles causes a psychological impression of being shot, which is combined with the strong irritation of the OC powder to the suspect's nose and lungs. When inhaled, the OC powder within the PepperBall Projectiles leads to coughing, shortness of breath, and, in some instances, vomiting. Some individuals may also experience eye irritation. All officers should be aware that up to 14 percent of the general population might not be fully affected by chemical agents exposure.

### **How do PepperBall Projectiles compare with paintball and beanbag rounds?**

Paintball rounds have a gel coating that can distort or blister in extreme heat or cold. Beanbag rounds can break skin and must be fired at least 15 feet from the target and only rely on pain compliance. PepperBall Projectiles have an operating temperature range of -30 degrees to 150 degrees. The projectiles are built to burst on impact and can be safely fired at point-blank range delivering a combination of psychological, kinetic, and chemical effects.

### **Will PepperBall Projectiles break when shot at suspects wearing thick layers of clothing?**

Suspect clothing is an important consideration when evaluating individual targets. For example, if a suspect is wearing a heavy jacket or very loose clothing, there is a possibility that the PepperBall Projectile could impact without breaking. In these cases, lowering the suspect target zone to impact on the lower torso and legs, or striking projectiles off nearby walls or other hard objects could provide a solution.

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